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APPLICATION NO).	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/080,104 02/21/2002		02/21/2002	Kaoru Koike	09792909-5344 1692		
26263	7590	08/10/2004	EXAMINER			
		NATH & ROSI	ERDEM, FAZLI			
P.O. BOX WACKER		STATION, SEARS	TOWER	ART UNIT PAPER NUMBE		
CHICAGO), IL 60	606-1080		2826		
				DATE MAILED: 08/10/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No		Applicant(s)						
				KOIKE ET AL.						
Office Action Summary		Examiner		Art Unit						
		Fazli Erdem		2826						
Period f	The MAILING DATE of this communication app or Reply	pears on the cove	r sheet with the c	orrespondence ac	ddress					
THE - Exte after - If th - If NO - Failt Any	MAILING DATE OF THIS COMMUNICATION. MAILING DATE OF THIS COMMUNICATION. ensions of time may be available under the provisions of 37 CFR 1.13 or SIX (6) MONTHS from the mailing date of this communication. the period for reply specified above is less than thirty (30) days, a reply operiod for reply is specified above, the maximum statutory period we ure to reply within the set or extended period for reply will, by statute, or reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, how y within the statutory mi will apply and will expire e, cause the application	vever, may a reply be tim inimum of thirty (30) days SIX (6) MONTHS from to to become ABANDONED	ely filed s will be considered time the mailing date of this c O (35 U.S.C. § 133).	ely. communication.					
Status										
		<u>lay 2004</u> .								
2a)□	his action is FINAL . 2b)⊠ This action is non-final.									
3)										
	closed in accordance with the practice under E	:x parte Quayie,	1935 C.D. 11, 45	3 O.G. 213.						
Disposit	tion of Claims				j					
4)⊠	Claim(s) 12,14-37 and 50-86 is/are pending in the application.									
57	4a) Of the above claim(s) is/are withdrawn from consideration.									
	Claim(s) <u>12,14-37 and 69-86</u> is/are allowed.									
	Claim(s) <u>50,51,53 and 55-57</u> is/are rejected.									
	Claim(s) 52,54 and 58-68 is/are objected to.				!					
8)[_	Claim(s) are subject to restriction and/or	r election require	ment.							
Applicat	tion Papers									
9)[The specification is objected to by the Examine	er.								
10)	The drawing(s) filed on is/are: a) acce	epted or b)□ ob	jected to by the E	xaminer.	j					
	Applicant may not request that any objection to the									
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11)	The oath or declaration is objected to by the Ex	caminer. Note the	attached Office	Action or form P7	ΓΟ-152.					
Priority (under 35 U.S.C. § 119				1					
	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents	s have been rece	eived.	, , , ,						
	2. Certified copies of the priority documents have been received in Application No									
	3. Copies of the certified copies of the prior	-		d in this National	Stage					
* (application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
Attachmen	• •									
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)	4) 📙	Interview Summary (Paper No(s)/Mail Dat	PTO-413)						
	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲	Notice of Informal Pa		O-152)					
Pape	er No(s)/Mail Date	6) 🗌	Other:							

Application/Control Number: 10/080,104

Art Unit: 2826

DETAILED ACTION

Allowable Subject Matter

1. Claims 12, 14-37 and 69-86 allowed.

are defined/formed sequentially

2. Claims 52, 54 and 58-68 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 50, 51, 53, and 55-57 rejected under 35 U.S.C. 103(a) as being unpatentable over Chapman et al. (4,849,313) in view of Mitome et al. (5,695,897). Regarding Claims 50, 51, 53 and 55-57, Chapman et al. disclose a method for making a reticle mask where in Fig. 4, four die opaquing regions and support area surrounding the four opaquing regions are disclosed. Alignment marks 22a-22p are disclosed on the support areas and around the four product die opaquing region corners. Claim 1 of Chapman et al. disclose the method of making such mask with product regions and support regions with alignment marks. Chapman et al. fail to disclose the formation of the alignment marks in the sequential manner. However, Mitome et al. disclose an alignment method and semiconductor exposure method where in claims 1, 3, 7 and 10, alignment marks

It would have been obvious to one of having ordinary skill in the art at the time the invention was made to include the required sequential alignment formation/definition method in Chapman et al. as taught by Mitome et al. in order to manufacture semiconductor dies in a more reliable and fast manner.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (703) 305-3868. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (703) 308-6601. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FE August 6, 2004 NATHAN J. FLYNN
SUPERVISORY PATENT EXAMINED
TECHNOLOGY CENTER 2800